Contents of Volume 48

Number 1, September 1991

Immunological fine structure of the variable and constant regions of a polymorphic malarial surface antigen from *Plasmodium falciparum*
G.L. Jones, H.M. Edmundson, R. Lord, L. Spencer, R. Mollard and A.J. Saul (Australia) 1

African trypanosomes express an immunogenic protein with a repeating epitope of 24 amino acids
L.R. Duncan, L.S. Gay and J.E. Donelson (U.S.A.) 11

Cloning of a cDNA encoding phosphofructokinase from *Haemonchus contortus*
R.D. Klein, E.R. Olson, M.A. Favreau, C.A. Winterrowd, N.T. Hatzenbuhler, M.H. Shea, S.C. Nulf and T.G. Geary (U.S.A.) 17

Molecular karyotype and chromosomal localization of genes encoding two major surface glycoproteins, gp63 and gp46/M2, hsp70, and β-tubulin in cloned strains of several *Leishmania* species
T. Hanekamp and P.J. Langer (U.S.A.) 27

Guanosine kinase from *Trichomonas vaginalis*
W.H. Miller and R.L. Miller (U.S.A.) 39

Induction and localization of *Plasmodium falciparum* stress proteins related to the heat shock protein 70 family
N. Kumar, G. Koski, M. Harada, M. Aikawa and H. Zheng (U.S.A.) 47

Differential expression of the olygomycin-sensitive ATPase in bloodstream forms of *Trypanosoma brucei brucei*
E.J. Bienen and M.K. Shaw (Kenya) 59

Further characterisation of the *Schistosoma japonicum* protein Sj23, a target antigen of an immunodiagnostic monoclonal antibody
K.M. Davern, M.D. Wright, V.R. Herrmann and G.F. Mitchell (Australia) 67

Organisation and expression of small subunit ribosomal RNA genes encoded by a 35-kilobase circular DNA in *Plasmodium falciparum*
M.J. Gardner, J.E. Feagin, D.J. Moore, D.F. Spencer, M.W. Gray, D.H. Williamson and R.J.M. Wilson (U.K., U.S.A., Canada) 77

Studies using a recombinant vaccinia virus expressing the circumsporozoite protein of *Plasmodium berghei*
V. Satchidanandam, F. Zavala and B. Moss (U.S.A.) 89

Novel regulation of pyruvate dehydrogenase phosphatase activity from mitochondria of the parasitic nematode, *Ascaris suum (Short Communication)*
H. Song, J. Thissen and R. Komuniecki (U.S.A.) 101

Translational elongation factor 1α (EF-1α) of *Onchocerca volvulus (Short Communication)*
C.M. Alarcon and J.E. Donelson 105

Subcellular distribution of trypanothione reductase in bloodstream and procyclic forms of *Trypanosoma brucei (Short Communication)*
K. Smith, F.R. Opperdoes and A.H. Fairlamb (U.K., Belgium) 109

The gene for apocytochrome B of *Theileria annulata* resides on a small linear extrachromosomal element *(Short Communication)*
A. Megson, G.J. Inman, P.D. Hunt, H.A. Baylis and R. Hall (U.K.) 113

Polymorphic repeated DNA element in the genome of *Schistosoma mansoni (Short Communication)*
L.D. Spotila, D,.M. Rekosh and P.T. LoVerde (U.S.A.) 117

Number 2, October 1991

Cloning and characterisation of an immunodominant major surface antigen of *Echinococcus multilocularis*
P.M. Frosch, M. Frosch, T. Pfister, V. Schaad and D. Bitter-Suermann (F.R.G.) 121

A repetitive DNA probe specific for a North American sylvatic genotype of *Trichinella*
D.S. Zarlenga, F. Al-Yaman, D.J. Minchella and G. La Rosa (U.S.A., Italy) 131

The two ATPase 6 mRNAs of *Leishmania tarentolae* differ at their 3′ ends
G.J. Bhat, P.J. Myler and K. Stuart (U.S.A.) 139

Phospholipids and protein kinase C in acetylcholine-dependent signal transduction in *Ascaris suum*
J. Arevalo and H.J. Saz (U.S.A.) 151

Characteristics of thymidine transport in *Giardia intestinalis* trophozoites
R.A. Davey, P.L. Ey and G. Mayrhofer (Australia) 163

Heterogeneity of the genes encoding the major surface glycoprotein of *Leishmania donovani*
J. Webb, L.L. Button and W.R. McMaster (Canada) 173

An 85-kilodalton surface antigen gene family of *Trypanosoma cruzi* encodes polypeptides homologous to bacterial neuraminidases
G.B. Takle and G.A.M. Cross (U.S.A.) 185

High homology between variant surface glycoprotein gene expression sites of *Trypanosoma brucei* and *Trypanosoma gambiense*
C. Daï Do Thi, D. Aerts, M. Steinert and E. Pays (Belgium) 199

Polymerase chain reaction amplification of *Trypanosoma cruzi* kinetoplast minicircle DNA isolated from whole blood lysates: diagnosis of chronic Chagas' disease
H.A. Avila, D.S. Sigman, L.M. Cohen, R.C. Millikan and L. Simpson (U.S.A.) 211

Structure of *Plasmodium falciparum* liver stage antigen-1 (*Short Communication*)
J. Zhu and M.R. Hollingdale (U.S.A.) 223

Characterisation of a glycosylphosphatidylinositol membrane protein anchor precursor in *Leishmania mexicana* (*Short Communication*)
M.C. Field, E. Medina-Acosta and G.A.M. Cross (U.S.A.) 227

Sequence of the knob protein of *Plasmodium falciparum* recognized by a monoclonal antibody (*Short Communication*)
A, Kilejian, M.A. Rashid, M. Parra and Y.-F. Yang (U.S.A.) 231

Author Index 235

Subject Index 237

Contents of Volume 48 239